

BARATIN, E.

Male larva of the African white fly (Bactrocera tryoni) collected by Thomas and other scientists in the rural of Uganda (southeastern Tchad). Inv. N.Y. 94. No. 100. Date no. 570-82 164  
(NTRA 1881)

1. Istituto zoologico e paraticologico di Pickensley S.R.

KASHKAY, M.A.; BABAYEV, L.A.

Mineralogical characteristics of diaspore from Alunitdag in Dash-  
kesan District, Azerbaijan. Dokl.AN Azerb.SSR 18 no.1:49-57 '62.  
(MIRA 15:3)

1. Institut geologii AN AzSSR.  
(Dashkesan District--Diaspore)

BABAYEV, N.

More about teaching equipment. Politekh.obuch. no.11:94 N '58.  
(MIRA 11:12)

1. Zaveduyushchiy Kasansayskim rayonom Namanganskoy oblasti  
Uzbekskoy SSR.  
(Kasansay District--Field work (Educational method))

ARKHANGEL'SKIY, N., BABAYEV, M., GLADKOV, M., EL'YASHEVICH, Z., KAMYSHEKO, A.;  
KUZYATIN, G., KULIYEV, S., MOVSESOV, N., POPOV, A., PORTNOY, T.,  
RIZNIK, A., SEROVA, Ye., TARASOV, A., TULIN, V., SHISHKIN, O.,  
SHKOL'NIKOV, B., SHTURMAN, L., CHESNOKOV, V., EFENDIZADE, A.

K.N.Kulizade, candidate of engineering. Energ.biul. no. 5:23-24  
My '58. (MIRA 11:8)  
(Kulizade, Kiazim Novruz, 1908- )

SAFAR'YANTS, E.; KUZNETSOV, V., prof.; ABDUNAZAROV, N.; BABAYEV, M.;  
TRET'YAKOV, V.

Norms for the output of meat products. Mias. ind. SSSR 30 no.5:28-29  
'59. (MIRA 13:1)

1.Glavnyy vetrach Ashkhabadskogo myasokombinata (for Safar'yants).  
2.Turkmenskiy sel'skokhozyaystvennyy institut (for all except Sarfar'-yants).

(Meat industry)

BABAYEV, M.

Group trains their character.... Okhr.truda i sots. strakh. 5  
no.2:16-17 F '62. (MIRA 15:2)

1. Predsedatel' Kirovskogo rayonnogo suda, g. Rostov-na-Donu.  
(Labor courts)

S/233/62/000/006/002/008  
E010/E420

AUTHOR: Babayev, M-B. A.

TITLE: The best degree of approximation for functions of two variables by functions of the form  $\varphi(x) + \psi(y)$

PERIODICAL: Akademiya nauk Azerbaydzhanskoy SSR. Seriya fiziko-matematicheskikh i tekhnicheskikh nauk, no.6, 1962, 25-40

TEXT: The problem considered is the representation of a function of two variables,  $F(x,y)$  by the superposition of two functions of one variable, i.e. on the best approximation of functions  $F(x,y) \in L_p(Q)$  by means of functions of the form  $\varphi(x) + \psi(y)$ ,  $L_p$  being a spatial function of the  $p$ -th power whose absolute value is integrable in the Lebesgue sense. The function  $F(x,y)$  is located in the subset  $Q$  of the plane  $oxy$ . The concept of the distance  $\rho$  between the functions  $F$  and  $(\varphi + \psi)$  in the subset  $Q$  and the concept of the best approximation of the function  $F(x,y)$  by the functions  $\varphi(x) + \psi(y)$  is defined by the following expression

Card 1/4

$$E_p^{(p)} = \inf_{\varphi+\psi} [F, \varphi + \psi]_p = \inf_{\varphi+\psi} \left( \iint_Q |F(x,y) - \varphi(x) - \psi(y)|^p dx dy \right)^{\frac{1}{p}}.$$

S/233/62/000/006/002/008  
E010/E420

The best degree ...

For the case of  $p = \infty$  the problem was considered by P.Yu.Ofman (Izv. AN SSSR, seriya mat., v.15, no.2, 1962). In the present paper the problem is treated without restriction on the value of  $p$ . The argument is carried out by formulating and proving consecutively the five following theorems: Theorem 1. Let  $F(x,y) \in L_p(Q)$  and  $\{\varphi(x) + \psi(y)\}$  be a class of functions with which the functions and their variations are bounded by one number. Then in this class exists the best approximating function, i.e. the function  $\varphi^*(x) + \psi^*(y) \in \{\varphi(x) + \psi(y)\}$  such that

$$\rho(F, \varphi^* + \psi^*)_p = \left( \iint_Q |F(x,y) - \varphi^*(x) - \psi^*(y)|^p dx dy \right)^{\frac{1}{p}} = E^{(p)},$$

Theorem 2. Let  $F(x,y) \in L_p$  be determined in a rectangle  $[a,b;c,d]$  with sides parallel to coordinate axes whose length does not exceed unity. Then the following equalities are valid

$$d_o^1[F] = 2E_{F_1}^{(p)}, d_o^2[F] = 2E_{F_2}^{(p)}$$

Card 2/4

The best degree ...

S/233/62/000/006/002/008  
E010/E420

where  $d_0^1[F]$  and  $d_0^2[F]$  are diameters of the first and second families of the function  $F$ .

Theorem 3. Let  $Q$  be a rectangle  $[a, b; c, d]$  in the oxy plane with sides parallel to coordinate axes, whose length does not exceed unity, and the function  $F(x, y) \in L_p(Q)$  is given in  $Q$ . Then there exists the best approximating (in the  $L_p$  sense) function  $\varphi^*(x) + \psi^*(y)$  such that

$$\omega(\delta, \varphi^*)_p = \sup_{0 < |h| < \delta} \left( \int_a^b |\varphi^*(x+h) - \varphi^*(x)|^p dx \right)^{\frac{1}{p}} \quad (1)$$

$$\leq 2 \sup_{\sqrt{|h|^2+|l|^2} < \delta} \left( \int_a^b \int_c^d |F(x+h, y+l) - F(x, y)|^p dx dy \right)^{\frac{1}{p}} = 2 \omega(\delta, F)_p \quad (1)$$

$$\omega(\delta, \varphi^*)_p \leq 2 \omega(\delta, F)_p. \quad (2)$$

Theorem 4 defines two inequalities whose existence is necessary and sufficient for increasing or decreasing of the function  $F(x, y)$ .  
Card 3/4

The best degree ...

S/233/62/000/006/002/008  
E010/E420

Theorem 5 is analogous to Theorem 3. In conclusion three theorems are formulated for the case of  $n$  variables. For this purpose, generalized definitions of some concepts used in the preceding exposition are given such as  $d^k[F]$ , diameter of the  $k$ -th family of the function  $z = F(x_1, \dots, x_n)$  etc. The proofs of these theorems are not presented but it is indicated that the same considerations are used as in the proofs of corresponding theorems for  $n = 2$ .

Card 4/4

BARAYEV, M.A.; KULIZADE, K.N.

Development of power engineering in the petroleum industry of  
Azerbaijan, Azerb.neft.khoz. 36 no.11:33-36 N '57. (MIRA 11:2)  
(Azerbaijan--Petroleum engineering--Equipment and supplies)

IBRAGIMOV, I.B.; BABAYEV, M.A.; PETROSYAN, A.N.

Use of series condensers in 6 kv. electric networks petroleum plants.  
Prom. energ. 15 no.9:26-31 S '60. (MIRA 13:10)

(Electric capacitors)  
(Petroleum industry—Electric equipment)

ALIYEV, G.K., zasluzhennyj deyatel' nauki, prof., BABAYEV, M.A.

Current problems in public health in the Azerbaijan SSK; results  
of an out-of-town session in Baku of the Academy of Medical  
Sciences of the U.S.S.R. Azerb.med.zhur. no.6:101-110 Je '58  
(MIRA 11:7)

(AZERBAIJAN--PUBLIC HEALTH)

BABAYEV, M.A.; NASRULLAYEV, N.I.; PETROSYAN, A. N.

Control unit for electric motors of pumping jacks. Azerb. neft.  
khoz. 37 no.2:39-42 F '58. (MIRA 11:6)  
(Remote control) (Oil well pumps)

L 8179-66 EWT(m)/EWP(w)/ EM

ACC NR: AP5026688

SOURCE CODE: UR/0258/65/005/005/0876/0882

AUTHOR: Babayev, M. A. (Kiev); Tsurpal, I. A. (Kiev)

ORG: None

TITLE: The plane homogeneous stress state in a physically nonlinear plate with a round opening

SOURCE: Inzherornyy zhurnal, v. 5, no. 5, 1965, 876-882

TOPIC TAGS: elastic deformation, <sup>1/0</sup>stress analysis, mathematic analysis

ABSTRACT: In certain synthetic materials - high strength steels, nonferrous metals, and their alloys - there is observed a nonlinear relationship between stresses and deformations even in regions of small deformations. The curve, slightly but perceptibly, deviates from the straight line given by Hooke's Law (See Fig. 1). Using a nonlinear law of elasticity, the article presents a mathematical solution to the problem of the stress concentration around a round opening in a plate, taking into account the small physical nonlinearity in a plane stress state extending to infinity. Calculation results are presented in figures and tables. These results demonstrate

Card 1/2

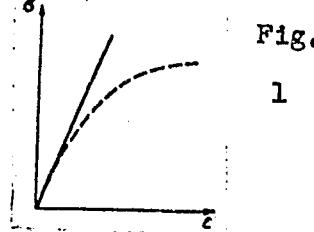


Fig.

1

UDC: 624.073

L 8179..66

ACC NR: AP5026688

that the coefficient of the stress concentration for the given variant of the physically nonlinear theory decreases in comparison with the linear case, and depends in an essentially inverse manner on the elastic properties of the material and on the magnitude of external loading (nonlinear). Taking into account this type of physical nonlinearity leads to a more regular distribution of the stresses in the zone of stress concentration. Orig. art. has: 20 formulas, 3 figures, and 3 tables.

SUB CODE: ME/ SUBM DATE: 15Sep64/ ORIG REF: 006/ OTH REF: 001

nw  
Card 2/2

BABAYEV, M.A.; KHAYKIN, I.Ye.

Towards a reduction of expenditures on power in the petroleum  
and gas industries. Izv. vys. ucheb. zav.; neft' i gaz 7  
no.11:50,76 '64. (MIRA 18:11)

L 51428-65 EWT(m)/EPF(c)/EWG(v)/EWA(d)/EPR/EPA(w)-2/EWP(j)/EWP(t)/EWP(k)/  
EWP(b) Pe-4/Fab-10/Pe-5/Pr-4/Ps-4 IJP(c) JD/wW/wB/RM  
ACCESSION NR: AP5015500 UR/0286/65/000/008/0030/0030  
621.315.328

AUTHOR: Kogen, V. B.; Avanesyan, A. M.; Khanlarova, A. G.-k.; Trifel', M. S.;  
Mekhmandarov, S. A.-o.; Shakov, V. I.; Babayev, M. A.; Dayenzon, Ye. B.; Ioannisyan,  
S. A.

TITLE: Corrosion resistant steel-aluminum wire. Class 21, No. 170094

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 8, 1965, 30

TOPIC TAGS: corrosion protection, aluminum, steel

ABSTRACT: This Author's Certificate introduces a corrosion resistant steel-aluminum wire containing a steel core covered with an insulating material laid over with a cable of aluminum wires. The operational characteristics are improved by using transparent plastic for the insulation material and soaking the entire wire in a solution which contains 95% ceresin and 5% petrolatum.

ASSOCIATION: none

SUBMITTED: 10Dec62

ENCL: 00

SUB CODE: IE, MM

Cord 1/2

BABAYEV, S.G.; GANIYEV, A.M.; BABAYEV, M.A.

Unit for determining the character and extent of wear in  
eccentrically loaded cylindrical parts. Zav. lab. 31 no.11;  
1415-1416 '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-tehnolo-  
gicheskiy institut neftyanogo mashinostroyeniya.

ACC NR: AP6032393

SOURCE CODE: UR/0198/66/002/009/0059/0064

AUTHOR: Babayev, M. A. (Kiev)

ORG: Institute of Mechanics, Academy of Sciences, UkrSSR (Institut mekhaniki AN UkrSSR)

TITLE: A stretched physically nonlinear plate with a thin-bar-reinforced hole

SOURCE: Prikladnaya mekhanika, v. 2, no. 9, 1966, 59-64

TOPIC TAGS: thin plate, nonlinear plate, hole weakened plate, stress concentration, biaxial tension, pure shear, aerospace structure, elasticity theory, tensile stress, shear strength

ABSTRACT: The homogeneous biaxial state of stress in an infinite hole-weakened plate of physically nonlinear material is analyzed in a case when the circular-hole edge is stiffened by a thin elastic ring which is treated as an elastic line resisting tension and flexure, its state of stress being described by equations of the small-deformation theory. The state of stress in the plate is described by equations of the plane physically nonlinear theory of elasticity. The method of successive approximations in a form developed by G. N. Savin and L. P. Khoroshun (Prikladnaya mekhanika, v. 1, no. 4, 1965) is used to determine the stress distribution in a plain, (nonweakened) shell, and in shells with nonstiffened, and ring-stiffened holes. Expressions for bending moments and normal forces are derived, as well as for the stress components in the plate and in the joint between the ring and the plate (made of copper and open-hearth steel). The values of the stress concentration factor at the edge of the

Card 1/2

ACC NR: AP6032393

hole with and without the reinforcing ring are given in a table. The variation of the stress-concentration factor in relation to the basic stress distribution (in a plain shell) in a shell under two-directional tension, and in a shell under pure shear (tension in one direction and equal compression in the other) are shown in diagrams where the results of solutions obtained by means of both linear and non-linear theories are plotted for comparison. Orig. art. has: 2 figures, 1 table, and 26 formulas.

SUB CODE: 20/ SUBM DATE: 04Mar66/ ORIG REF: 004

Card 2/2

. Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,  
p 211 (USSR) 15-57-5-7226

AUTHOR: Babayev, M. B.

TITLE: Selectively Repeated Application of Hydrofracturing  
Petroleum-Bearing Stratum (Selektivno-mnogokratnyy  
metod gidravlicheskogo razryva plasta)

PERIODICAL: Novosti neft. tekhn. Neftepromysl. delo, 1956, Nr 8,  
pp 15-17

ABSTRACT: Most of the petroleum-bearing levels in deposits of  
the Apsheron Peninsula represent an alternation of  
sands and clays. Hydrofracturing of wells in this  
area does not always bring the desired results. The  
new method provides for determination of the most  
productive zones in the well. These zones (not  
exceeding 1 meter) are perforated and then hydro-  
fractured by the usual method. One or several

Card 1/2

15-57-5-7226

Selectively Repeated Application of Hydrofracturing (Cont.)

fissures are thereby formed in these specially perforated zones. The stratum is perforated throughout its thickness before the well is again operated. The advantages of the new technology are: 1) it eliminates the possibility of arbitrary formation of fissures in the nonproductive areas of the stratum; 2) it increases the efficiency of the fracture liquid and markedly decreases its losses. The author calls the method the selectively repeated hydrofract method on the basis of the fact that several fissures will be formed where several strata are perforated. For old operating wells the method is to be recommended particularly where plugs have formed. Use of the method on well No. 140 of the Umbaka area, which is exploiting the reserves of the third level in the Maykop series, increased the daily flow of petroleum from 1.5 to 6 to 7 tons.

Card 2/2

M. G. M.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7

~~BABAYEV, M.B.; RUSTAMOV, M.S.; SYZRANTSEV, A.L.~~

Major repairing of extra deep condensate gas wells. Azerb. neft. M. N.  
36 no.10:21-26 O '57. (MIRA 1:1?)  
(Apsheron Peninsula--Gas wells)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7"

RABAYEV, M.B.; DZHAFARLY, Z.A.

Present status of the Azerbaijan gas industry and prospects  
for its development. Azerb.neft.khoz. 36 no.11:25-27 N '57.  
(NIRA 11:2)  
(Azerbaijan--Gas, Natural)

ABASOV, M.T.; BABAYEV, M.B.; GASANOV, F.G.; DZHALILOV, K.N.; DURMISH'YAN, A.Q.

Brief analysis of the status of the development of the horizons  
7 in the Karadag field. Trudy AzNII DN no.9:212-222 '60.

(MIRA 14:5)

(Karadag region--Oil fields--Production methods)

BABAYEV, M. B.; GASANOV, F.G.; LAZAREV, V. T.; TAIROV, A. A.

Some results of field studies of condensate gas wells drilled  
in No.7 horizons in the Karadag area. Azerb. neft. khoz. 39  
no.6:30-34 Je '60. (MIRA 13:10)  
(Karadag region--Condensate oil wells)

BABAYEV, M.-B.A.

Best exponential approximation of functions of two variables by  
functions of the type  $\varphi(x) + \psi(y)$ . Izv. AN Azerb. SSR. Ser.  
fiz.-mat. i tekhn. nauk no. 6:25-40 '62. (MIRA 16:6)  
(Functions)

L 27897-66 EWT(m)/FCC/T IJP(c)

ACC NR: AP5024642

SOURCE CODE: UR/0048/65/029/009/1719/1721

AUTHOR: Babayev, M.K.; Denikayev, R.Z.; Yemel'yanov, Yu. A.; Zhukov, Ye. I.; Lukin, Yu. T.; Murzin, V.S.; Khomenko, G.B.

ORG: none

TITLE: Fluctuation in the number of particles in an electromagnetic shower at 110 BeV /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1719-1721

TOPIC TAGS: secondary cosmic ray, cosmic ray shower, electron, photon, iron

ABSTRACT: Electron-photon showers were investigated in an ionization calorimeter consisting of the following components in order from the top: 13 cm C, 3 cm Fe, 8 trays of ionization chambers each followed by 5 cm Fe, 2 trays of chambers with no absorber between, 1 cm Fe, 160 g/cm<sup>2</sup> C, 3 cm Pb, and two trays of chambers separated and followed by 2 cm Pb. Showers initiated by cosmic ray particles were regarded as electron-photon showers if they produced ionization in at least one of the two uppermost trays and no ionization in the two trays beneath the large carbon absorber. Of 334 electron-photon showers thus identified, 152 had energies between 100 and 200 BeV. The ionization versus depth curves for these showers were normalized to a primary energy of 110

Card 1/2

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L 27897-66

ACC NR: AP5024642

BeV and averaged, and the average curve was compared with theoretical curves calculated for different assumed values of the radiation length in iron. Good agreement was obtained with the curve based on a radiation length of  $12.6 \text{ g/cm}^2$ . This value of the radiation length in iron was confirmed by comparing the observed depth of maximum shower development with calculated values. The fluctuation (ratio of the mean square to the square of the mean) in the number of particles in the showers as a function of depth was compared with the calculated curve of N.M.Gorashimova (Zh. eksperim. i teor. fiz., 43, 500 (1962); 44, 240 (1963)). Good agreement was found at depths less than 23 radiation units, but at greater depths the observed fluctuations were much less than the calculated ones. In conclusion, the authors express their gratitude to Zh.S. Takibayev for valuable discussions. Orig. art. has: 1 formula, 3 figures, and 1 table.

SUB CODE: NP/ SUBM DATE: 00/

ORIG REF: 004/ OTH REF: 000

Card 2/2 (1)

BABAYEV, M.K.; DENIKAYEV, R.Z.; YEMEL'YANOV, Yu.A.; ZHUKOV, Ye.I.; LUKIN,  
Yu.T.; MURZIN, V.S.; KHOMESENKO, G.S.

Fluctuations in the number of particles in an electromagnetic  
shower at an energy of  $1.1 \cdot 10^{11}$  ev. Izv. AN SSSR. Ser. fiz.  
29 no.9:1719-1721 S '65.  
(MIRA 18:9)

BABAYEV, M. K., Cand Tech Sci -- "Study of ~~potentiality~~<sup>possibility</sup> of increasing the traction ~~force~~<sup>exertion</sup> of heavy tractors on peat-boggy soils." Minsk, 1961. (Min of Agr<sup>y</sup> BSSR. Sci Res Inst of Agr<sup>y</sup>) (KL, 8-61, 240)

- 147 -

- 206 -

BABAYEV, M.M.

Studying the diversity of laurel in the Lenkoran-Astara zone.  
Izv.AN Azerb.SSR.Ser.biol.i med.nauk no.3:31-41 '62. (MIRA 15:9)  
(LENKORAN LOWLAND--LAUREL)

b

AVAYEV, N.N., Cand.Vet.Sci. -- (dir.) "Improving my <sup>to</sup>  
productivity of  
fat-rumped sheep upon ~~the~~ <sup>a diet of</sup> cotton cake - 6 peplings under  
conditions of Turmen SSR." Ashkhabad, 1958. 15 pp (Min of Agr USSR.  
Turmen Agr Inst in T.T. Melikin), 200 copies (2,31-2, 116)

- 27 -

BABAYEV, M.N.; GUBSKIY, V.G.

Wire made of scrap metals. Mashinostroitel' no.6:19 Je '61.  
(MIRA 14:6)  
(Scrap metals) (Wire drawing)

СИДЕНКОВ, И.Н.; АНДРЕЕВ, Ю.А.

Saving 357,000 kilowatt hours. Mashinostroitel' s.o. 14:14 F '61.  
(MIL 14:2)

(Electric welding--Technological innovations)

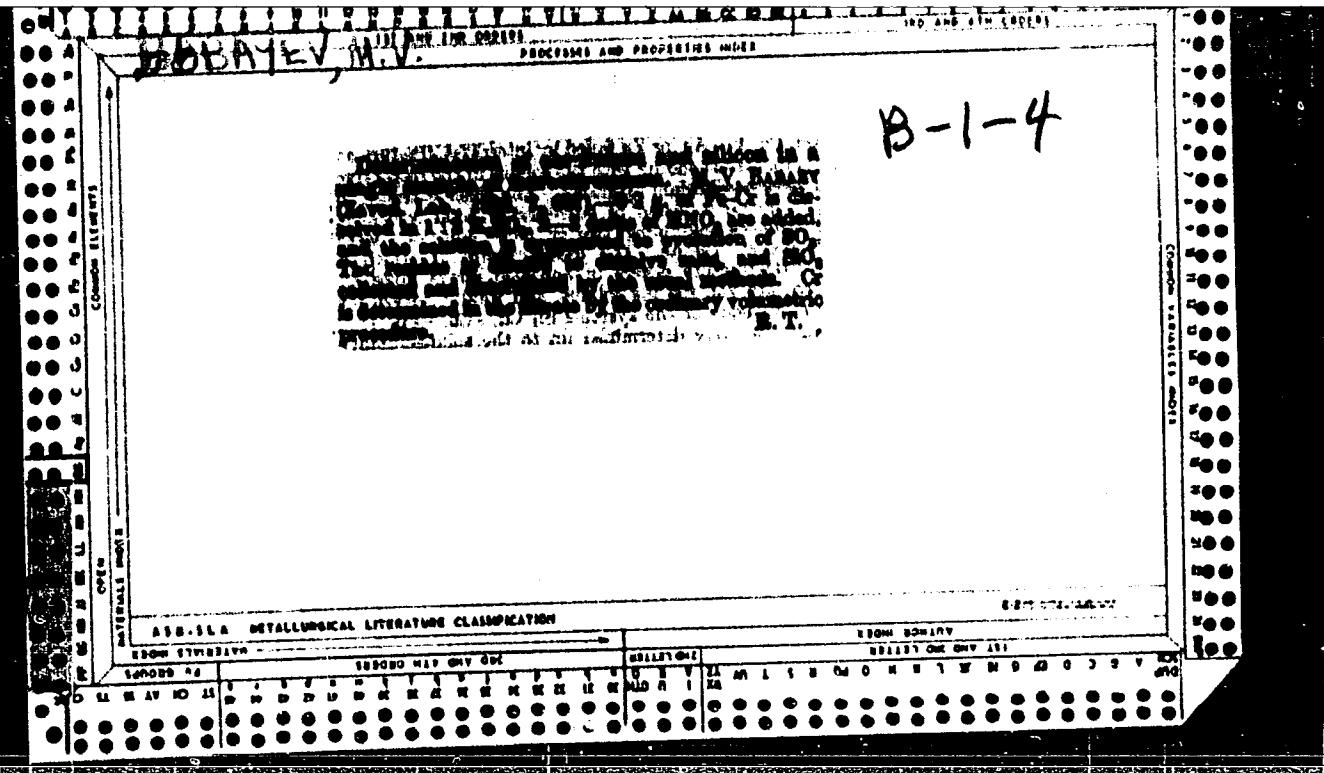
BABAYEV, M.P.  
BABAYEV, M.P.

Possibility of preserving the Calmette-Guerin bacillus in dry vaccine.  
Zhur.mikrobiol.evid. i immun., supplement for 1956:29 '57 (MIRA 11:3)

1. Iz Stavropol'skogo instituta vaktsin i syyvorotok.  
(BCG)

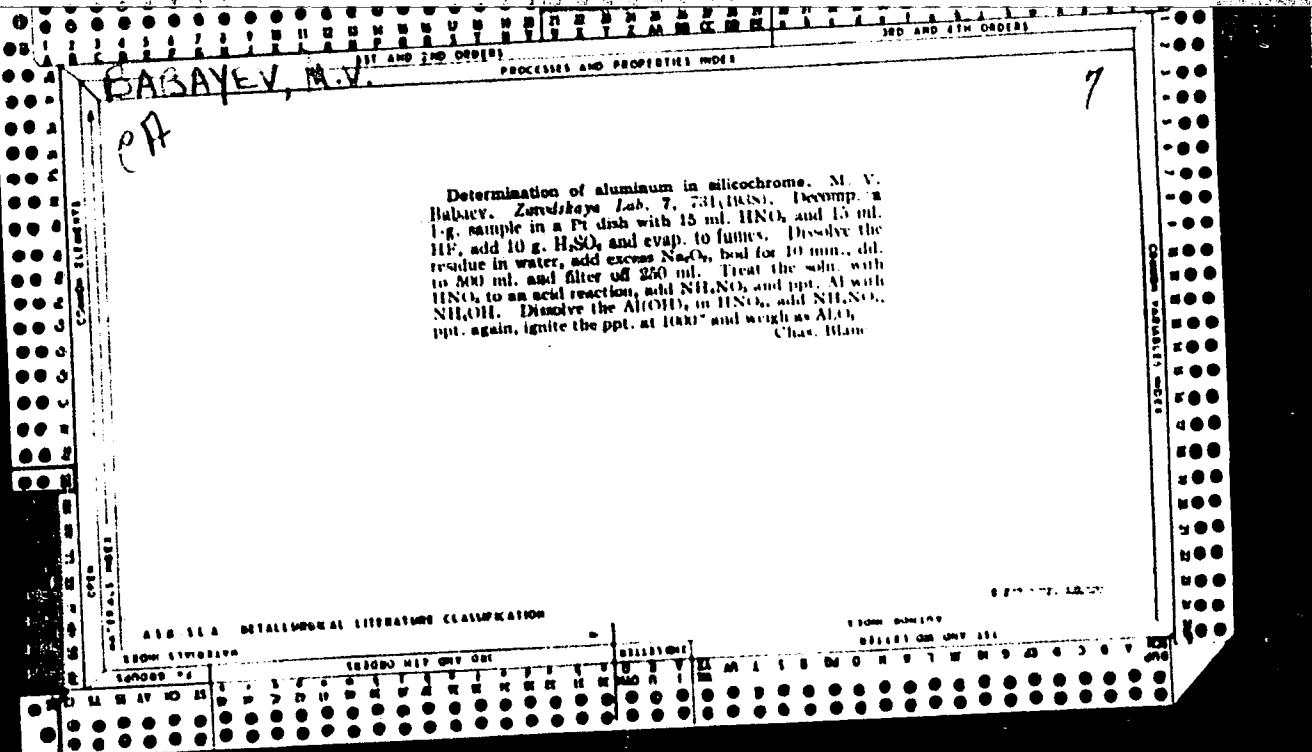
"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7



APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7"



BABAYEV, M.V.

CA

A method for the determination of silicon in chromium  
silicide from its specific gravity. M. V. Babayev. Zavod-  
skaya Lab. 7, 1308-11 (1958). - A filtering flask, fitted with  
a graduated buret, is charged with kerosene at a definite  
mark by allowing some kerosene to escape through the  
side tube closed with a rubber tubing and a pinchcock.  
The d. of Si<sub>2</sub>Cr is determined by charging the flask through a  
funnel on top of the buret with 100 g. of finely powdered  
sample (2-3 mm.). The results are compared with the  
tabulated values of Si obtained by conventional analysis  
of Si<sub>2</sub>Cr.

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

IRON ALLOYS

STEELS AND OTHER IRON

METALS

NON-METALS

RABAYEV M.V.

21

**Sampling of Ferro-Alloys for Analysis.** M. V. Babaev. (Zavodskaya Laboratoriya, 1939, No. 3, pp. 317-320). (In Russian). Such peculiarities as segregation, heterogeneity, special inclusions &c., and the special precautions which have to be taken in sampling ferro-silicon, high-carbon ferro-chromium, low-carbon ferro-chromium, ferro-tungsten and ferro-molybdenum are described.

## **ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION**

APPROVED FOR RELEASE: 06/06/2000

**CIA-RDP86-00513R000102810020-7"**

BABAYEV, M.

PA28/49T61

USSR/Engineering  
Porcelain, Laboratory  
Porcelain Industry

Oct 48

"It Is Necessary to Revise GOST Standards for  
Porcelain Tubing," M. V. Babayev, Head of Chem Lab,  
Ferric Alloys Plant, 1 p

"Zavod Lab" Vol XIV, No 10

Complains that quality of the porcelain tubing  
used to determine carbon and sulfur by combustion  
in a jet of oxygen has been greatly reduced. Main  
defect is that the oval hole is deformed at high  
temperatures (1,200-1,400°). Believes that  
tolerance should be reduced to a maximum of one mm.  
~~TP~~

28/49T61

BABAEV, M. V.

111 AND 2ND EDITION  
PROCESSES AND PROPERTIES INDEX

Determination of silicon by specific volume in ferrosilicon. M. V. Babayev. Zavodskaya Lab. 14, 681-8  
(1948).—Low-C alloys of Fe-Si (contg. up to 1% C) can be analyzed sufficiently well by detn. of sp. vol. Higher than 1% C content sharply changes the sp. vol. of the alloys which is not proportional to the C content; the vol. of 1% C is equiv. in sp. vol. to about 2.7% Si. In view of apparent defects in the existing data on the subject the curves used in previous work (B., C.A. 32, 44047) in 45-76% ferrosilicon could not be used for 18% ferrosilicon. The errors obtained by the use of the curves were 5-10% in comparison with chem. methods. Therefore, a new curve was constructed for sp. vols. of Fe-Si alloys; it is accurate for Fe-Si with less than 0.6% C. The results are given graphically and in a table. Since increase of Si content lowers the solv. of C in Fe, the high-Si alloys previously studied were not affected by their low-C content. When more than 1% C is present, it is recommended that the C content be detd. and the value obtained be multiplied by 2.7 and the product subtracted from the actually found Si content by the sp.-vol. method. Curves are appended showing the C-Si ratio in alloys with varying C content; all are linear. G. M. Kosolapoff

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

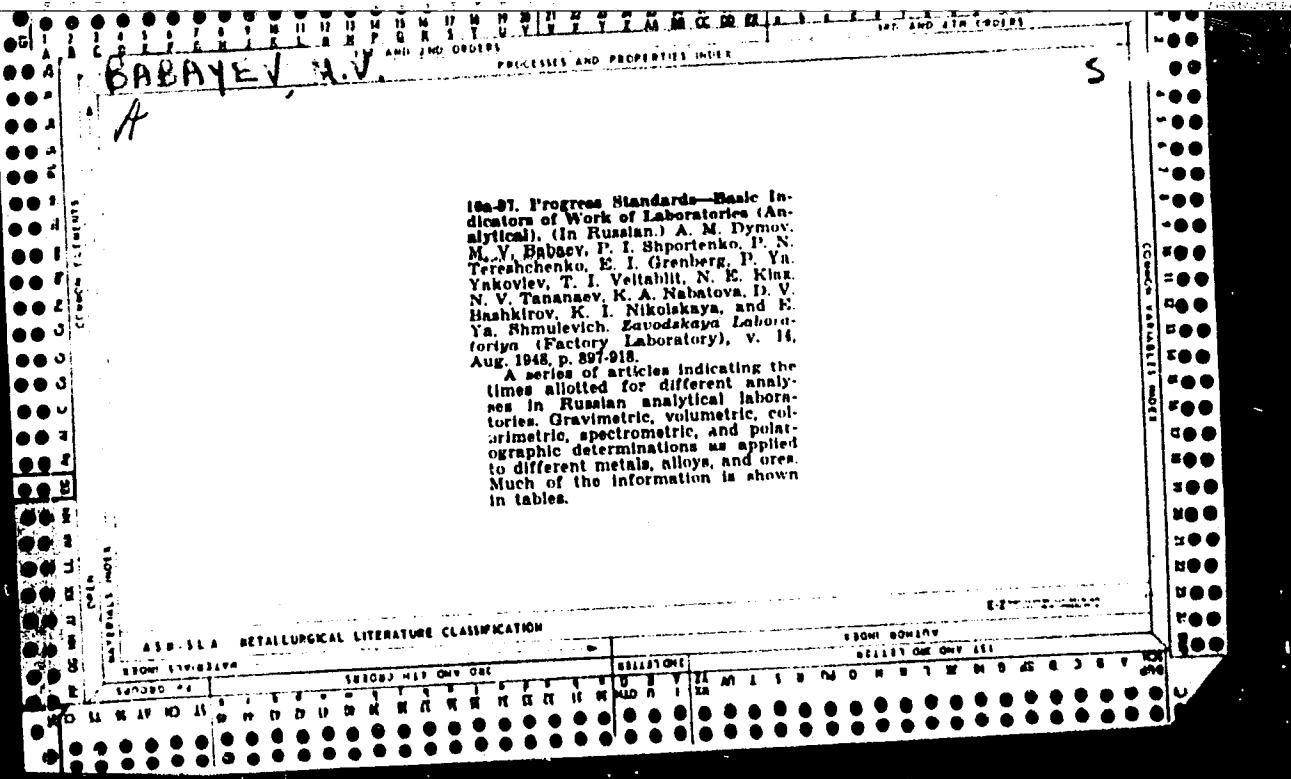
BABAEV, M.V.

PROCESSES AND PROPERTIES INDEX

7

Chromium determination in ferrochrome without silver nitrate. M. V. Babayev. Zarechnaya Lab. 14, 75 (1948).—Treat 0.2 g. of sample with 20 ml. of 9 N  $H_2SO_4$ , dil. the resulting soln. to about 470 ml., and add 40 ml. of 20%  $(NH_4)_2S_2O_8$  soln. Boil until excess persulfate is destroyed, add 5 ml. of 6% NaCl soln. to reduce  $MnO_4^-$ , boil 2-3 min., and titrate the  $CrO_4^{2-}$ . In deg. Mn by the persulfate method, the quantity of  $AgNO_3$  used can be reduced; 8 ml. of a soln. contg. 1.30 g.  $AgNO_3$  per l. is sufficient. G. M. Kosolapoff.

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION



BABAEV, M.V.

C A

Apparatus for carbon determination. M. V. Babaev.  
Zarudnaya Lab. 14, 1392-4(1948).--The CO<sub>2</sub> absorption bulb design (used in USSR) is criticized in respect to entrapped bubble formation owing to faulty shaping of the glass parts and improper valve seating. The app. for gasometric detn. of CO<sub>2</sub> is improved by addn. of a 2nd stopcock which permits isolation of the furnace from the gas buret and the atm. during absorption of the products of combustion during 1st ignition. This design permits accurate analysis of samples contg. up to 30% C in 0.8 g. samples.  
O. M. Kosolapoff

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

TECHNIQUE AND PROCESS

TESTING AND

100000-00	100000-000	REVIEW	100000-000
HD	SL	AV	HD

BABAIEV, M. V.

PROCESSES AND PROPERTIES INDEX

100 AND 200 SERIES

5

21

CORRECTION IN THE DETERMINATION OF CARBON IN FERROCHROMIUM.  
M. V. Babaev. (Zavodskaya Laboratoriya, 1948, vol. 14,  
Dec., pp. 1480-1486). (In Russian). Standard Russian  
procedure for the determination of carbon in ferrochromium  
by the Wirtz-Strolein gas-volumetric method is critically  
examined in the light of experimental data which show that  
a single combustion is not sufficient for the conversion of all  
the carbon into carbon dioxide. Neglect of this fact is postul-  
ated as one reason for the low carbon contents frequently  
ascribed to ferrochromium by steelworks analysts, further  
reasons for divergent results being lack of proper calibration  
of the apparatus and failure to carry out adequate blank  
experiments. Attention is drawn to defects in the system  
used for the classification of ferrochromium according to  
its carbon content. S. h.

A.B.I.L.A. METALLURGICAL LITERATURE CLASSIFICATION		ESTIMATE DATE	
EBOOK EDITION			
EDITION NO.	1000001&UP ONLY ONE	SECTION	1000001&UP ONLY ONE
NO. 1 MAY 1971	W R D P U D C G N M H T W M O A Y	1000001&UP ONLY ONE	W M L I S M O H T W M O A Y

BABAY V, N.V.

28929. BABAYEV, N.V. Opredlenie Fosfora v Ferrokhrome. (Po Povedu Govt. 2887-45)  
Zavodskaya Laboratoriya, 1949, No. 9, s.1103-14.

SC: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

BABAYEV, M.V.

CA

Determination of moisture and molybdenum in ungrounded molybdenum ore concentrates. M. B. Babayev. Zerodishaya Lab. 13, 237-8(1940).—The detn. of moisture should be by heating 2 hrs. not above 110°; the detn. of flotation agent residues and oils is made by ignition to 300-10° for 3 hrs. or by treatment with 3:1 Et<sub>2</sub>O-EtOH mixt., followed by drying at 110°, for the sample, and evapn. at 100° for the ext. The variable results obtained by ignitions above 100° (up to 315°) are explained by the loss and decompa. of the flotation residues. The decompn. of MoS<sub>3</sub> does not begin below 300°. G. M. K.

7

BABAYEV, M.V.  
CA

7

Determination of phosphorus in ferrochrome. M. V. Babayev. Zavodskaya Lab. 15, 1108-14 (1949). Three procedures are recommended as superior to the official Russian method. (1) Heat the sample with 10 parts Na<sub>2</sub>O<sub>2</sub>, ext. with water and a little HNO<sub>3</sub>, ppt. the Fe<sup>3+</sup> with NH<sub>4</sub>OH and in the HNO<sub>3</sub> soln. of the ppt. det. the P with molybdate as in the Handy method for detg. P in steel. (2) Dissolve the sample in HCl which is satd. with Br<sub>2</sub>, add concd. HNO<sub>3</sub>, and evap.; then repeat these last operations. Ppt. with molybdate at the right acidity and proper content of NH<sub>4</sub>NO<sub>3</sub> in the presence of a little Fe salt. (3) Dissolve the sample in HNO<sub>3</sub> + <sup>b</sup> H<sub>2</sub>SO<sub>4</sub>, remove H<sub>2</sub>SO<sub>4</sub>, and ppt. Fe<sup>3+</sup> and PO<sub>4</sub><sup>3-</sup> by adding NH<sub>4</sub>OH, leaving CrO<sub>4</sub><sup>2-</sup> in soln. Dissolve the FePO<sub>4</sub> ppt. in HNO<sub>3</sub> and treat with molybdate as usual.  
G. M. Kosolapoff

BABAYEV, M.V.

S

21

Spectral Methods for the Analysis of Ferro-Alloys. M.V. Babayev. (Zavodskaya Laboratoriya, 1949, vol. 15, Oct., pp. 7793-7797). [In Russian]. The tendency to segregation of elements in ferro-alloy ingots is discussed, and methods of taking samples from the furnace, from the stream during tapping, or from the solid ingot are considered. Various methods of shaping and polishing electrodes from such samples for spectrum analysis are described and examples are given of the application of the recommended technique to the determination of silicon in carbon-free or low-carbon ferro-chromium containing 0.2-3.3% of silicon, and in high-silicon ferrochromium containing 4-18% of this element. The relative error was found to be  $\pm 4$  (4-10)% in the first case and  $\pm 10\%$  in the second. - S. K.

APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

FROM LIBRARY

FROM BIBLIOGRAPHY

TO LIBRARY

FROM BIBLIOGRAPHY

BABAYEV, M. V.

IA 159T25

USSR/Engineering - Carbon, Determination Feb 50  
Iron Alloys

"Flux in Determination of Carbon in Ferrochrome,"  
M. V. Babayev, Chem Lab, Chelyabinsk Ferroalloy  
Plant, 4 pp

"Zavod Lab" Vol XVI, No 2

Describes experiments with various fluxes for  
combustion of samples in process of carbon de-  
termination. Concludes best results are ob-  
tained with copper shavings partially oxidized  
by holding them in muffle furnace for one hour  
at 800-900°.

159T25

BABAYEV, Mikhail Vasil'yevich; GENEROZOV, B.A., redaktor; CHERNYAK, I.O.,  
redaktor; BECKER, O.G., tekhnicheskij redaktor

[Testing iron alloys] Oprobovanie ferrosplavov. Moskva, Gos.  
nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii,  
(MIRA 8:7)  
1954. 68 p.

1. Chelyabinskij ferrosplavnyy zavod (for Babayev).  
(Iron alloys--Testing)

BABAEV, M.V.

POZHARITSKIY, K.L., professor

"Ferroalloy assaying" M.V.Babaev. Reviewed by K. L.Pozharitskii.  
Zav.lab.21 no.6:758 Je '55. (MLRA 8:9)  
(iron alloys--Analysis) (Babaev,M.V.)

Babayev, M.V.  
USSR/ Analytical Chemistry. Analysis of Inorganic  
Substances.

G-2

Abs Jour: Referat. Zhur.-Khimiya, No. 8, 1957, 27197.

Author : M.V. Babayev.

Title : Determination of Silicium in Tungsten Alloys  
and Ferrotungsten by Phosphate-Sulfate Method.

Orig Pub: Zavod. laboratoriya, 1956, 22, No. 1, 1294 -  
1296.

Abstract: The phosphate-sulfate method of determination of  
Si in W alloys and ferrotungsten (Pen'kova, Ye.  
F., Yakovlev, P.Ya., Zavod. laboratoriya, 1950,  
16, 12) was checked. It is shown that this  
method does not yield stable and reproducible  
results.

Card 1/1

32-2-58/60

AUTHORS: Kostyanovskaya, N. M. , Babayev, N. V.

TITLE: The Determination of Copper, Bismuth, Tin, Antimony, Arsenic and Lead in Ferrotungsten (Opyredeleniye medi, vismuta, olova, sur'iny, mysh'yutka i svintsa v ferrovol'fraise)

PERIODICAL: Zavodskaya Laboratoriya, 1950, Vol.24, Nr 2, pp.254-255 (USSR)

ABSTRACT: More expedite methods of the determination of the elements mentioned in the title are applied in the Laboratory of the Institute for Ferrous Alloys in Chelyabinsk. The exact course of analysis of every method of determination is given, according to which copper is determined colorimetrically, tin by means of the usual iodide method with an accuracy of  $\pm 0,01\%$ , arsenic by means of the method of Gutzeit, bismuth by means of tin chloride and calcium iodide by color comparison with a standard sample containing a specified amount of bismuth, antimony colorimetrically, where stress is laid upon the sequence of the addition of reaction components, and lead by color comparison with a standard sample containing molybdenum. All these determination methods were already described

Card 1/2

32-2-58/60

The Determination of Copper, Bismuth, Tin, Antimony, Arsenic and Lead in Ferrotungsten

by S. Yu. Faynberg (reference 1). There is 1 reference, which is Slavic.

ASSOCIATION: Chelyabinsk Ferroalloys Works (Chelyabinskiy zavod ferrosplavov)

AVAILABLE: Library of Congress

1. Copper-Determination
2. Bismuth-Determination
3. Tin-Determination
4. Antimony-Determination
5. Arsenic-Determination
6. Lead-Determination
7. Ferrotungsten-Contamination

Card 2/2

Card 2/2

AUTHORS: Babayev, M. V., Kostyanovskaya, N. M. SOV/32-24-10-5 /70

TITLE: The Determination of the Phase Composition of the Cinders of Silicon Alloys (Ob opredelenii fazovogo sostava shlakov kremnistykh splavov)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 10, pp 1183-1184 (USSR)

ABSTRACT: The data on an ordinary chemical analysis are rather insufficient in characterizing the cinders of silicon alloys. The components of the phases must be known in order to gain an insight into the melting technology. In the laboratory of the works mentioned in the association a method was worked out for determining silicon carbide and silicon oxide ( $SiO$ ) in cinders. The other ingredients of the cinders are determined according to usual methods. Exact descriptions of the course of the analysis are given for the silicon carbide determination, the determination of the elementary silicon, and of silicon oxide determination. A formula for calculating the silicon oxide- and elementary silicon content is given as well. In all determinations a weighed sample of 0,25 g of the fine-ground cinder was used.

Card 1/2

The Determination of the Phase Composition of the Cinders of Silicon  
Alloys

SOV/32-24-10-5/70

ASSOCIATION: Chelyabinskii ferrosplavnyy zavod  
(Chelyabinsk Ferro-Alloys Works)

Card 2/2

5(2), 7(0)

AUTHOR:

Babayev, M. V.

SOV/32-25-1-50/51

TITLE:

On the Determination of the Moisture and Oil in Iron Turnings  
(Ob opredelenii vlagi i masla v zheleznoy struzhke)

PERIODICAL:

Zavodskaya Laboratoriya, 1959, Vol 25, Nr 1, pp 127-128 (USSR)

ABSTRACT:

Metal turnings contain 6-23% so-called "non-metallic fractions" (oil, water and other wastes), which means a loss to the buyer. There are, however, regulations (TU MChM, January 26, 1957) which suggest laboratory investigations for certain cases, but these again are rather insufficient, including the regulations (Table). A new method of determination is suggested which provides a moisture determination by drying in the usual way as well as an oil determination by heating up to 280-300°. A variant separating the iron turnings magnetically is also described. One control method provides an oil extraction by means of benzene.

ASSOCIATION:

Chelyabinskij ferrosplavnnyj zavod (Chelyabinsk Ferroalloy Works)

Card 1/1

BABAYEV, M.V.; POPIKOV, F.

Determining moisture and oil in iron shavings. Zav. lab. 25 no.1:128-129  
'59. (MIRA 12:1)

1. Chelyabinskij ferrosplavnyy zavod (for Babayev). 2.Zavod  
"Elektrostal'" (for Popikov).  
(Scrap metal) (Moisture)  
(Mineral oils--Analysis)

PHASE I BOOK EXPLOITATION

SOV/5316

Babayev, Mikhail Vasil'yevich

Uskorennyye metody analiza na ferrosplavnykh zavodakh (Accelerated Analysis Methods in Ferroalloy Plants) Moscow, Metallurgizdat, 1961. 325 p. Errata slip inserted. 3,150 copies printed.

Eds.: A. A. Yeliseyev and N. V. Buyanov; Ed. of Publishing House: S. I. Venetskiy; Tech. Ed.: L. V. Dobuzhinskaya.

PURPOSE: This book is intended for engineers and technical personnel of ferroalloy plant laboratories and may be useful to students of higher educational schools and technical schools for metallurgy and related fields.

COVERAGE: The book describes the setup and equipment of field laboratories of ferroalloy plants. Methods of sampling ferroalloys, initial (raw) materials, and slags for analysis are given, and preparation of samples for analysis is described. Methods of chemical control during the production of ferroalloys are also discussed. The author has attempted to sum up the practical

Card 1/25

## Accelerated Analysis Methods (Cont.)

SOV/5316

experience in the control of industrial processes of producing ferroalloys gained by laboratories of ferroalloy plants with much attention paid to the problem of selecting average samples for analysis. The following are mentioned: laboratory personnel of the Chelyabinsk Ferroalloy Plant, N. M. Kostyanovskaya, T. A. Popova, A. A. Sukhoguzova, S. K. Drovorubov, P. N. Shurov, and A. G. Fedoseyev; Head of the Chemical Laboratory of Zaporozh'ye Ferroalloy Plant, V. P. Sergeyev; Head of the Spectroscopic Laboratory of the same plant, L. E. Topalov; Head of the Chemical Laboratory of Aktyubinsk Ferroalloy Plant, D. A. Val'dman; Head of the Chemical Laboratory of Klyuchevsk Ferroalloy Plant, N. I. Chebanenko; Head of the Central Plant Laboratory of Zestafoni Ferroalloy Plant, D. S. Chikashua; Head of the Spectroscopic Laboratory of this same plant, O. I. Voytenko; Head of the Kuznetskiy Ferroalloy Plant Laboratory [in Stalinsk], M. G. Rubinshteyn; Acting Head of the Central Plant Laboratory of Lipetsk Ferroalloy Plant, T. V. Petrova; and Acting Chief Engineer of the Chusovoy Metallurgical Plant, K. N. Rispel'. There are 76 references, all Soviet.

Card 2/25

BABAYEV, N.

Radio-relay lines in electric power systems. MTO no.9:50  
S '59. (MIRA 13:1)

1. Predsedatel' byuro sektsii avtomatiki, telemekhaniki i  
elektrosvyazi Rostovskogo meshoblastnogo pravleniya Nauchno-  
tekhnicheskogo obshchestva energeticheskoy promyshlennosti,  
Rostov-na-Donu.

(Radio relay systems)

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7"

GOLOVANOV, N., zasluzhenny master sporta; BEL'MAN, B., sud'ya vsesoyuznoy kategorii (Khar'kov); BABAYEV, N., sud'ya vsesoyuznoy kategorii; ALEKSANDROVA, T.; NOSKOVICH, N.; BESSSTRASHNOV, Yu., master sporta (Tashkent)

Facts, events, people. Kryl.rod. 14 no.6:32-33 Je '63.  
(MIRA 16:7)

1. Predsedatel' aviamodel'nogo komiteta Federatsii  
aviatsionnogo sporta SSSR (for Noskovich).  
(Aerial sports)

BABAYEV, Nik., sud'ya vsesoyuznoy kategorii

Records should not be lost. Kryl.rod. 14 no.1:25-26 Ja '63.  
(MIRA 16:1)  
(Barometer)

BABAEV, N.

Aviamodelisty SSSR. 3, perer. i dop. izd. Moskva, Oborongiz, 1939. 119 p., illus., ports.

Earlier ed. published under title: IUNye aviastroitel.

Title tr.: Model airplane constructors of the USSR.

TL770.B25

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

BATANOV, N.

Malaia aviatsiia. (Tekhnika molodezhi, 1949, no. 1, p. 22-24, illus.)

Title tr.: Aircraft modeling.

Th.T2284 1949

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

BABAYEV, N.

Babayev, N. - "Small-scale aviation", (On the 25th anniversary of the model airplane movement in the USSR), illus trated by S, Vertsrumb, Tekhnika - molodeschi, 1949, No. 1, p. 22-23, 32.

So: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

BABAYEV, N., glavnny sportivnyy sud'ya sborny.

All-Union Meet for model airplane enthusiasts. Kryl.rod. 4 no.8:13 Ag '53.  
(MLRA 6:?)  
(Airplanes--Models)

BABAYEV, N.

Flying models ready to go. Kryl.rod. 4 no.10:13-16 0 '53. (MLRA 6:10)  
(Airplanes--Models)

Babayev, N.

AID P - 481

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 10/15

Author : Babayev, N.

Title : For Each School its Aviation Modelling Circle

Periodical : Kryl. rod., 9, 16, S 1954

Abstract : The author underlines the necessity of a widespread organization of model making in schools.

Institution : DOSAAF (All-Union Voluntary Society for the Promotion of the Army, Aviation and Navy)

Submitted : No date

BABAYEV, N.; LEBEDINSKIY, M.; MALIK, S.; MARTYNOV, B.; GRIGOR'YEVA, A., re-daktor; MUNTYAN, T., tekhnicheskiy redaktor.

[Flying models in the air; international competition of aeroplane model makers in 1954] V vesdukhe - letaiushchie medeli; mezhdunarodnye sorevnovaniya aviamodelistev 1954 geda. Moskva, Izd-vo DOSAAF, 1955. 103 p. [Microfilm] (MLRA 9:6)  
(Aeroplanes--Models)

~~BARAYEV~~, Nikolay Alekseyevich; GAYEVSKIY, Oleg Konstantinovich; KUDRYAVTSEV,  
Sergey Stepanovich; MIKIRTUMOV, Emmanuil Bogdanovich; KHUKHRA, Yuriy  
Stepanovich; KANEVSKAYA, M.D., redaktor; ANDRIANOV, B.I., tekhnicheskiy redaktor

[Airplane models; a manual for the first and second years of study]  
Aviatsionnyi modelizm; uchebnoe posobie dlja pervogo i vtorogo godov  
obuchenija. Pod redakcijei red. E.B.Mikirtumova. Moskva, Izd-vo DOSAAF,  
1956. 294 p.

(MLRA 9:11)

(Airplanes--Models)

BABAYEV, N.

The 1957 all-Union competition for model airplane builders. Kryl.  
rod. 8 no.5:11 My '57. (MIRA 10:6)  
(Airplanes--Models--Competitions)

BABAYEV, Nikolay Alekseyevich; GAYEVSKIY, Oleg Konstantinovich;  
IVANNIKOV, Dmitriy Andreyevich; KUDRYAVTSEV, Sergey Ste-  
panovich; MIKIRTUMOV, Emmanuel Bogdanovich; KHUKHRA, Yu.;  
YEFREROVA, Ye.V., red.; KARYAKINA, M.S., tekhn. red.

[Airplane modeling; manual for makers of airplane models and  
instructors of circles for the first and second training year]  
Aviationsionnyi modelizm; uchebnoe posovie dla aviamodelistov i  
rukovoditelei krushkov pervogo i vtorogo godov obuchenia.  
Izd. 2., perer. i dop. Pod obshchoi red. N.B.Mikirtumova.  
Moskva, Izd-vo DOSAAF, 1960. 286 p. (MIRA 14:5)  
(Airplanes—Models)

MIKAILOV, M.A.; BABAYEV, N.B.

Vegetative reproduction of the giant reed (*Arundo donax L.*).  
Dokl. AN Azerb. SSR 21 no.3:75-79 '65.

(MIRA 18:7)

1. Institut botaniki AN AzerSSR.

BABAYEV, N. S., Cand Chem Sci — (diss) "Study of the solubility of certain little-soluble basic salts of heteropolyacids," Tashkent, 1960, 11 pp (Moscow State Univ im M. V. Lomonosov; Chemistry faculty; Chair of Inorganic Chemistry. The Institute of Chemistry, AS UzSSR) (KL, 35-60, 123)

*Class*  
KL 3-59 109

SPITSYN, Vikt. I.; BABAYEV, N.B.

Solubility of some poorly soluble alkali salts of heteropoly acids.  
Zhur. neorg. khim. 5 no.3:580-585 Mr '60. (MIRA 14:6)

1. Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova,  
kafedra neorganicheskoy khimii.

(Phosphomolybdates)  
(Phosphotungstates)  
(Silicotungstates)  
(Silicomolybdates)

RUSTAMBEKOV, A.F.; BABAYEV, N.B.; IZBAIL'SKIY, A.M.; FINKEL'SHTEYN, G.M.

Reducing the consumption of casings. Azerb.neft.khoz.35 no.7:8-10  
Jl '56. (MIR 9:12)  
(Oil well drilling--Equipment and supplies)

PROTASOV, G.N., kand.tekhn.nauk; RUSTAMBEKOV, G.N., inzh.; BABAYEV, N.B.,  
inzh.; SHERSTNEV, N.M., inzh.

Consolidated data on well sinking in the Kura Lowland and recommendations  
for increasing drilling rates and lowering the cost of  
drilling operations in the Kyurovdag field. Trudy AzNII DN no.5:  
24-68 '57. (MIRA 12:4)

(Kura Lowland--Production methods)

BABAYEV, N.B.

Some problems relative to maintaining the quality of muds during  
drilling. Azerb. neft. khoz. 36 no.6:14-16 Je '57. (MLRA 10:9)  
(Oil well drilling fluids)

BABAYEV, N.B.

Calculating the efficient profile of deep directional wells.  
Izv.vys.ucheb.zav.; neft' i gaz 2 no.12:35-42 '59.  
(MIRA 13:5)

l. Azerbaydzhan'skiy institut nefti i khimii imeni M.  
Azizbekova.  
(Oil well drilling)

BABAYEV, N.B.

On-site cementing of an offshore deep test-well production string.  
Azerb. neft. khoz. 38 no.5:15-17 My '59. (MIRA 12:9)  
(Karadag region--Oil well cementing)

SHAMSIYEV, A.A.; BARAYEV, N.B.

Drilling under great pressure drop in the bit opening. Azerb.  
neft.khoz. 38 no.11:17-18 N '59. (MIRA 13:5)  
(Boring machinery)

SHAMSIYEV, A.A.; BABAYEV, N.B.; FINKEL'SHTEYN, G.M.

One cause of the collapse of casing ~~when~~ in the process of  
being lowered into a well [in Azerbaijani with summary in  
Russian]. Izv. AN Azerb. SSR. Ser. fiz.-mat. i tekhn. nauk  
no.6:159-161 '60. (MIRA 14:8)  
(oil well drilling)

PROTASOV, G.N.; BABAYEV, N.B.; ASKEROV, A.G.

Effect of process factors on the quality of oil well cementing.  
Trudy AzNII DN no.10:305-316 '60. (MIRA 14:4)  
(Oil well cementing)

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7

BABAYEV, N.B.

New design of a turbodrill. Neft khoz. 38 no.1:36-38 Ja '60.  
(MIRA 13:?)

(Turbodrills)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000102810020-7"

BABAYEV, N.B.

Practices in drilling deep inclined wells with an efficient profile. Azerb. neft. khoz. 39 no.2:13-16 F '60.  
(MIRA 14:8)  
(Oil well drilling)

BABAYEV, N.B.; SHAMSIYEV, A.A.

Drilling wells with three-bladed bits under heavy load. Azerb.  
neft. khoz. 39 no.3(405):15-17 Mr '60.  
(Rock drills) (MIRA 14:9)

BABAYEV, N. B. Cand Tech Sci -- "Study of ~~the~~ problems of technology of  
drilling deep sloping wells." Baku, 1961 (Committee of Higher and Secondary  
Specialized Education of the Council of Ministers AzSSR. Azerbaydzhan Order  
of Labor Red Banner Inst of Petroleum and Chem in M. Azizbekov). (KL, 4-61, 194)

-169-

BABAYEV, N.B.

Calculating a suitable hole profile for deep slant wells, Azerb.  
nefti, khoz. 40 no. 3:14 -17 Mr '61. (MIRA 14:5)  
(Oil well drilling)

BABAYEV, N.B.; SHAMSIYEV, A.A.

Causes of possible freezing of drilling pipes due to the differential pressure between the well and the layer. Azerb.neft.khoz. 40 no.12:28-30 D '61. (MIRA 15:8)  
(Oil well drilling--Safety measures)

ASKEROV, A.G.; SEID-RZA, M.K.; BABAYEV, N.B.

Combating circulation losses by controlling hydrostatic pressures  
in wells. Sbor. nauch.-tekhn. inform. Azerb. inst. nauch.-tekhn.  
inform. Ser. Neft. prom. no.6:41-44 '63. (MIRA 18:9)

BABAYEV, N. F.

BABAYEV, N. F.

"Investigations of Possibilities of Employing Hydrocompasses With Liquid Suspensions of the Sensitive Element for the Orientation of an Underground Mine Survey." Cand Tech Sci, Leningrad Inst of Aviation Instrument Building, Leningrad, 1954. (KZhAstr, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

BABAYEV, M.F.

LAPIN, Mark Mikhaylovich, professor; KONYUSHKOV, Nikolay Stepanovich,  
kandidat sel'skokhozyaystvennykh nauk; BABAYEV, Nikolay Faoktistovich;  
SUKORTSEVA, Klavdiya Dmitriyevna, kandidat sel'skokhozyaystvennykh  
nauk; TRUYEVVTSEVA, M.F., redaktor; RYBIN, I.V., tekhnicheskiy redaktor

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ABSTRACT: The author describes a reversible counter circuit composed of semiconductor elements and electromagnetic relays, operating in pure binary-decimal codes with values of 1, 2, 4, 8. A circuit diagram is provided (Fig. 1). This circuit is convenient, simple, and suitable for many analog-digital computer applications; it has supplementary gating for control of counter function and for effective decoupling of the first and fourth binary counter elements. Counter discharges control the operation of relays through amplifiers. Another circuit described uses an efficient binary-decimal code with the values of 1, 2, 4, 2. Its

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Card 1/3